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TI- VIBRATION ISOLATING DEVICE

PN- 63-308242 A-

PD- December 15, 1988 (19881215)

AU- OKAZAKI TOSHIKAZU; DAIMARU SHIGENORI

PA- TOKAI RUBBER IND LTD [352400] (A Japanese Company or Corporation), JP
(Japan)

AN- 62-144355 -JP 87144355-

AD- June 10, 1987 (19870610)

IC- -4- F16F-013/00; G10K-011/16

CL- 22.2 (MACHINERY -- Mechanism & Transmission); 42.5 (ELECTRONICS --
Equipment)

SO- Section: M, Section No. 812, Vol. 13, No. 148, Pg. 17, April 11, 1989
(19890411)

AB- PURPOSE: To develop an excellent attenuation characteristic, and to provide with a high vibration isolation performance in which the temperature dependency of the attenuation characteristic has been improved, and further to simplify the structure, by mixing, in a viscous fluid, at least a kind of resin whose glass- transition temperature is within the range of working temperatures.

CONSTITUTION: Both ends of a cylindrical rubber body 2 are closed with fittings 4 and 6 to fill a prescribed viscous fluid 8 in the closed fluid housing space, and a prescribed resin 10 whose glass-transition temperature is within the range of working temperatures is mixed in the viscous fluid. Thus, an excellent attenuation characteristic can be developed, and a high vibration isolation performance in which the temperature dependency of the attenuation characteristic has been improved can be provided. Since the vibration attenuation performance can be improved only by mixing a prescribed resin, it is not necessary to provide a special mechanism. Accordingly, it is possible to simplify the structure as a vibration isolation system, enabling it to be applicable to even small size products, and further enabling the manufacturing man-hour and the number of parts to be reduced and an inexpensive system to be constituted.